

WHAT IS CLAIMED IS:

1. A method for manufacturing an electron-emitting device, comprising:

a step for forming a polymer film between a pair
5 of electrodes formed on a substrate;

a step for giving conductivity to said polymer
film by heating; and

a step for providing potential difference between
said pair of electrodes.

10 2. A method according to claim 1, wherein the
step for giving conductivity to said polymer film by
heating includes a step for illuminating an electron
beam onto at least a part of said polymer film.

15 3. A method according to claim 1, wherein the
step for giving conductivity to said polymer film by
heating includes a step for illuminating light onto at
least a part of said polymer film.

20 4. A method according to claim 3, wherein the
light is light emitted from a xenon lamp as a light
source.

25 5. A method according to claim 3, wherein the
light is light emitted from a halogen lamp as a light
source.

050417E2 083001

Sub
X2

5

10

15

20

25

11. A method according to claim 9, wherein the step for reducing electrical resistance of said polymer

film by heating said polymer film includes a step for illuminating light onto at least a part of said polymer film.

5 12. A method according to claim 11, wherein the light is light emitted from a xenon lamp as a light source.

10 13. A method according to claim 11, wherein the light is light emitted from a halogen lamp as a light source.

15 14. A method according to claim 11, wherein the light is a laser beam.

 15. A method according to claim 9, wherein the step for forming a polymer film utilizes an ink jet system.

20 16. A method for manufacturing an electron-emitting device, comprising:

 a step for forming a polymer film between a pair of electrodes formed on a substrate;

25 a step for illuminating an electron beam onto at least a part of said polymer film; and

 a step for providing potential difference between said pair of electrodes.

05941782-033001

*Sub
12
emo.*

5

10

Supp
of
Camp.

15

20

a step for illuminating light onto at least a part of said polymer film; and

25

22. A method according to claim 21, wherein the

132 comp.

[Handwritten signature]

15

20

27. A method according to claim 21, wherein said polymer film is an aromatic polymer film.

28. A method according to claim 21, wherein the
25 step for forming a polymer film utilizes an ink jet
system.

5/11/20

for

10

15